

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:

Kagan et al.

Serial No.:

Not yet assigned

For:

PATTERNING SOLUTION DEPOSITED THIN FILMS  
WITH SELF-ASSEMBLED MONOLAYERS

Filed:

Concurrently herewith

Examiner:

Not yet assigned

Art Unit:

Not yet assigned

Confirmation No.:

Not yet assigned

Customer No.:

27623

Attorney Docket No.: YOR920000186US2

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

In accordance with applicants' duty of disclosure under 37 C.F.R. §1.56, please find attached hereto form PTO-1449 listing information which may be material to the patentability of this application, filed concurrently herewith. This Information Disclosure Statement is being filed:

- Within three (3) months of the filing date of the national application;
- Within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application;
- Before the mailing date of a first Office Action on the merits;
- After the filing date or date of first Office Action, but before the mailing date of a final action under 37 C.F.R. §1.113, provided that this occurs prior to the issuance of a Notice of Allowance and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e) or the fee set forth in 37 C.F.R. §1.17(p);

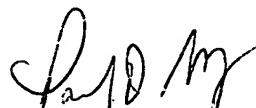
- After the filing date or date of first Office Action, but before the mailing date of a Notice of Allowance under 37 C.F.R. §1.311, provided that this occurs prior to the final action and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e) or the fee set forth in 37 C.F.R. §1.17(p);
  - After the mailing date of a final action under 37 C.F.R. §1.113, provided that this occurs prior to the issuance of a Notice of Allowance and provided that this I.D.S. is accompanied by a certification as specified in 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p); and
  - After the mailing date of a Notice of Allowance under 37 C.F.R. §1.311, provided that this occurs prior to or subsequent to the payment of the Issue Fee and provided that this I.D.S. is accompanied by a certification as specified in 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p).
- Filing with RCE Under 37 CFR 1.114.

The following references were either (1) cited by or (2) submitted to the Patent and Trademark Office in priority application Serial No. 09/556,952, filed April 21, 2000.

Accordingly, copies of the following references have not been submitted herewith. (37 C.F.R. §1.98(d)).

It should be understood that attention has been called to the references that have been deemed to be pertinent to the claimed present invention. In concluding what was pertinent, the criteria employed was considered most appropriate in light of the invention shown in the present application. However, the Examiner or others may deem some other criteria to be just as appropriate or more appropriate. Therefore, the Examiner is respectfully urged to review the listed references and to make the usual careful independent search for other prior art that may be pertinent.

Respectfully submitted,



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January 21, 2004

Date

FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)		Docket Number (Optional) YOR920000186US2	Application Number Not yet assigned
		Applicant Kagan et al.	
		Filing Date Concurrently herewith	Group Art Unit Not yet assigned

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,916,115	4/10/90	Mantese et al.	505	1	
	4,952,556	8/28/90	Mantese et al.	505	1	
	5,059,258	10-1991	Wefers et al.	148	272	
	5,512,131	7/30/96	Kumar et al.	156	655.1	
	5,620,850	4/15/97	Bamdad et al.	530	300	
	5,900,160	5/4/99	Whitesides et al.	216	41	
	6,020,047	2/1/00	Everhart	428	209	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	“Organic-Inorganic Heterostructure Electroluminescent Device Using a Layered Perovskite Semiconductor ( $C_6H_5C_2H_4NH_3)_2PbI_4$ ”, Era et al., Appl. Phys Lett. 65 (6), 8 August 1994, pp. 676-678.
	“Manipulation of the Wettability of Surfaces on the 0.1- to 1-Micrometer Scale Through Micromachining and Molecular Self-Assembly”, by Abbott et al., Science, Vol. 257, 4 Sept. 1992, pp. 1380-1382.
	“Maskless Photolithography: Embossed Photoresist as its own Optical Element”, Paul et al., Applies Physics Letters, Vol. 73, No. 20, 16 November 1998, pp. 2893-2895.
	“Patterning of Dielectric Oxide Thin Layers by Microcontact Printing of Self-Assembled Monolayers”, Jeon et al., J. Mater. Res., Vol. 10, No. 12, December 1995, pp. 2996-2999.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.